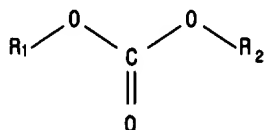


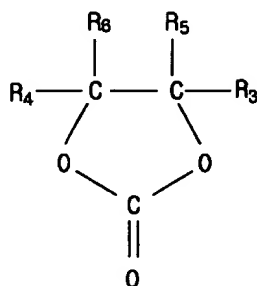
wherein F represents a fluorine element and n is an integer of 1-6; said carbonic acid ester component being one or more compounds represented by the following general formulas 2 and 3:

[Formula 2]



wherein R₁ and R₂, which may be the same or different, each represents an alkyl radical containing 1-4 carbon atoms[.] and

[Formula 3]



wherein R₃, R₄, R₅ and R₆, which may be the same or different, each represents a hydrogen atom or an alkyl radical containing 1-4 carbon atoms.

Claim 2 (amended):

The [A] non-aqueous electrolyte composition as set forth in claim 1, wherein said fluorobenzene component of the general formula 1 is a mixture of fluorobenzene and difluorobenzene.

Claim 3 (amended):

AB The [A] non-aqueous electrolyte composition as set forth in claim 1, wherein said lithium salt is selected from the group consisting of LiPF_6 , LiClO_4 , LiAsF_6 , LiBF_4 , LiCF_3SO_3 and mixtures thereof and used at a concentration of 0.7-2.0 M.

Claim 4 (amended):

AC The [A] non-aqueous electrolyte composition as set forth in claim 1, wherein said carbonic acid ester component [is] comprises a compound selected from the group consisting of ethylene carbonate, propylene carbonate, butylene carbonate, dimethyl carbonate, diethyl carbonate, dipropyl carbonate, ethylmethyl carbonate, methylpropyl carbonate, and ethylpropyl carbonate [and mixtures thereof].

Claim 5 (amended):

AB The [A] non-aqueous electrolyte composition as set forth in claim 1, wherein said organic solvent system ranges, in the volume ratio of the solvent component of the general formula 1 to the solvent component of the general formula 2, from 2/1 to 1/10.

Claim 6 (amended):

AC The [A] non-aqueous electrolyte composition as set forth in claim 1, wherein said organic solvent system ranges, in the volume ratio of the solvent component of the general formula 1 to the solvent component of the general formula 3, from 2/1 to 1/10.

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 or 1.17 as required by this paper to Deposit Account 19-0065.

Respectfully Submitted



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